

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Cancelled)

2. (Previously Presented) In a multicarrier communication system including a first multicarrier transceiver and a second multicarrier transceiver, a variable state length initialization method comprising:

transmitting from the first multicarrier transceiver to the second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

transmitting from the second multicarrier transceiver to the first multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

transmitting from the first multicarrier transceiver to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

3. (Previously Presented) In a multicarrier transceiver, a variable state length initialization method comprising:

transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

transmitting to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

4. (Previously Presented) In a multicarrier transceiver, a variable state length initialization method comprising:

transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

selecting a number equal to the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

receiving from the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

5. (Previously Presented) A variable state length initialization multicarrier communication system, including a first multicarrier transceiver and a second multicarrier transceiver, comprising:

means for transmitting from the first multicarrier transceiver to the second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

means for transmitting from the second multicarrier transceiver to the first multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

means for selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

means for transmitting from the first multicarrier transceiver to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

6. (Previously Presented) A variable state length initialization multicarrier transceiver comprising:

means for transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

means for receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

means for selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

means for transmitting to the second multicarrier transceiver, during an initialization state, the selected a number of multicarrier symbols.

7. (Previously Presented) A variable state length initialization multicarrier transceiver comprising:

means for transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

means for receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

means for selecting a number equal to the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

means for receiving from the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

8. (Previously Presented) A variable state length initialization multicarrier communication system comprising:

a first multicarrier transceiver capable of transmitting information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

a second multicarrier transceiver capable of transmitting to the first multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols,

wherein the first multicarrier transceiver is capable of selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols, and

transmitting to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

9. (Currently Amended) A variable state length initialization multicarrier transceiver capable of transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols,

wherein the multicarrier transceiver is also capable of ~~receiving~~receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols, selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols, and transmitting to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

10. (Currently Amended) A variable state length initialization multicarrier transceiver capable of transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols,

wherein the multicarrier transceiver is also capable of ~~receiving~~receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols, selecting the greater of the

first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols, and ~~receiving~~receiving from the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

11. (Previously Presented) An information storage media having recorded thereon executable information for variable state length initialization in a multicarrier communication system comprising:

information that transmits from a first multicarrier transceiver to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

information that transmits from the second multicarrier transceiver to the first multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

information that selects the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

information that transmits from the first multicarrier transceiver to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

12. (Previously Presented) An information storage media having recorded thereon executable information for variable state length initialization in a multicarrier transceiver comprising:

information that transmits to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

information that receives from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

information that selects the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

information that transmits to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

13. (Previously Presented) An information storage media having recorded thereon executable information for variable state length initialization in a multicarrier transceiver comprising:

information that transmits to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

information that receives from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

information that selects a number equal to the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

information that receives from the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

14. (Previously Presented) In a multicarrier communication system including a first multicarrier transceiver and a second multicarrier transceiver, a variable state length initialization protocol comprising:

transmitting from the first multicarrier transceiver to the second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

transmitting from the second multicarrier transceiver to the first multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

transmitting from the first multicarrier transceiver to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

15. (Previously Presented) In a multicarrier transceiver, a variable state length initialization protocol comprising:

transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;



selecting the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and

transmitting to the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.

16. (Previously Presented) In a multicarrier transceiver, a variable state length initialization protocol comprising:

transmitting to a second multicarrier transceiver information identifying a first value that is used to determine a first minimum number of multicarrier symbols;

receiving from the second multicarrier transceiver information identifying a second value that is used to determine a second minimum number of multicarrier symbols;

selecting a number equal to the greater of the first minimum number of multicarrier symbols and the second minimum number of multicarrier symbols; and receiving from the second multicarrier transceiver, during an initialization state, the selected number of multicarrier symbols.